

HT2A / TRIM32 Antibody (aa1-289)
Rabbit Polyclonal Antibody
Catalog # ALS16228**Specification**

HT2A / TRIM32 Antibody (aa1-289) - Product Information

Application	IHC, WB
Primary Accession	Q13049
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	72kDa KDa

HT2A / TRIM32 Antibody (aa1-289) - Additional Information**Gene ID** 22954**Other Names**

E3 ubiquitin-protein ligase TRIM32, 6.3.2.-, 72 kDa Tat-interacting protein, Tripartite motif-containing protein 32, Zinc finger protein HT2A, TRIM32, HT2A

Target/Specificity

Human HT2A / TRIM32

Reconstitution & Storage

Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Precautions

HT2A / TRIM32 Antibody (aa1-289) is for research use only and not for use in diagnostic or therapeutic procedures.

HT2A / TRIM32 Antibody (aa1-289) - Protein Information**Name** TRIM32**Synonyms** HT2A**Function**

E3 ubiquitin ligase that plays a role in various biological processes including neural stem cell differentiation, innate immunity, inflammatory response and autophagy (PubMed: [19349376](http://www.uniprot.org/citations/19349376), PubMed: [31123703](http://www.uniprot.org/citations/31123703)). Plays a role in virus-triggered induction of IFN-beta and TNF-alpha by mediating the ubiquitination of STING1. Mechanistically, targets STING1 for 'Lys-63'-linked ubiquitination which promotes the interaction of STING1 with TBK1 (PubMed: [22745133](http://www.uniprot.org/citations/22745133)). Regulates bacterial clearance and promotes autophagy in Mycobacterium tuberculosis-infected macrophages (PubMed: [22745133](#)).

href="http://www.uniprot.org/citations/37543647" target="_blank">37543647). Negatively regulates TLR3/4-mediated innate immune and inflammatory response by triggering the autophagic degradation of TICAM1 in an E3 activity-independent manner (PubMed:28898289). Plays an essential role in oxidative stress induced cell death by inducing loss of transmembrane potential and enhancing mitochondrial reactive oxygen species (ROS) production during oxidative stress conditions (PubMed:32918979). Ubiquitinates XIAP and targets it for proteasomal degradation (PubMed:21628460). Ubiquitinates DTNBP1 (dysbindin) and promotes its degradation (PubMed:19349376). May ubiquitinate BBS2 (PubMed:22500027). Ubiquitinates PIAS4/PIASY and promotes its degradation in keratinocytes treated with UVB and TNF-alpha (By similarity). Also acts as a regulator of autophagy by mediating formation of unanchored 'Lys-63'-linked polyubiquitin chains that activate ULK1: interaction with AMBRA1 is required for ULK1 activation (PubMed:31123703). Positively regulates dendritic branching by promoting ubiquitination and subsequent degradation of the epigenetic factor CDYL (PubMed:34888944).

Cellular Location

Cytoplasm. Mitochondrion. Endoplasmic reticulum. Note=Localized in cytoplasmic bodies, often located around the nucleus

Tissue Location

Spleen, thymus, prostate, testis, ovary, intestine, colon and skeletal muscle.

Volume

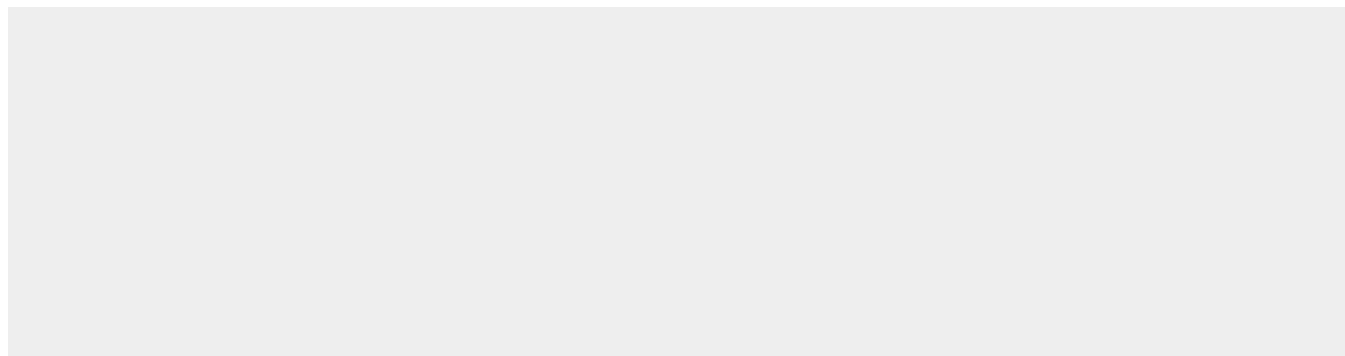
50 µl

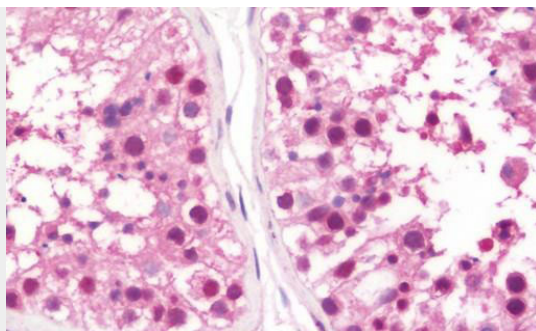
HT2A / TRIM32 Antibody (aa1-289) - Protocols

Provided below are standard protocols that you may find useful for product applications.

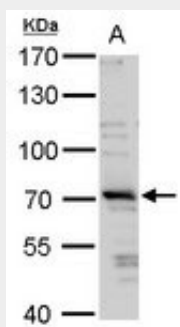
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HT2A / TRIM32 Antibody (aa1-289) - Images

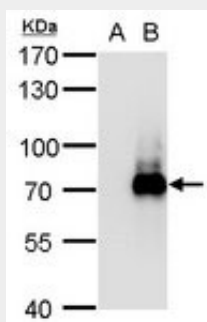




Anti-HT2A / TRIM32 antibody IHC staining of human testis.



TRIM32 antibody detects TRIM32 protein by western blot analysis.



TRIM32 antibody detects TRIM32 protein by western blot analysis.

HT2A / TRIM32 Antibody (aa1-289) - Background

Has an E3 ubiquitin ligase activity. Ubiquitinates DTNBP1 (dysbindin) and promotes its degradation. May ubiquitinate BBS2. May play a significant role in mediating the biological activity of the HIV-1 Tat protein in vivo. Binds specifically to the activation domain of HIV-1 Tat and can also interact with the HIV-2 and EIAV Tat proteins in vivo.

HT2A / TRIM32 Antibody (aa1-289) - References

Fridell R.A.,et al.Virology 209:347-357(1995).
Humphray S.J.,et al.Nature 429:369-374(2004).
Bienvenut W.V.,et al.Submitted (MAR-2009) to UniProtKB.
Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).
Locke M.,et al.Hum. Mol. Genet. 18:2344-2358(2009).